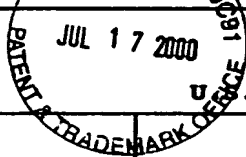


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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
MP	P1	4,797,368	01/10/89	Carter et al.	435	320.1	
↓	P2	5,139,941	08/18/93	Muzyczcka et al.	435	172.3	

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
MP	F1	DE 4219626 A1	16.06.92	Germany				
	F2	O 488528 B1	03.06.92	EPO				
	F3	O 592836 A1	20.04.94	EPO				
	F4	WO 91/18088	28.11.91	PCT				
	F5	WO 93/09239	13.05.93	PCT				
	F6	WO 93/24641	09.12.93	PCT				
↓	F7	WO 94/13788	23.06.94	PCT				

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MP	D1	Bosselman et al, "Replication-Defective Chimeric Helper Proviruses and Factors Affecting Generation of Competent Virus: Expression of Moloney Murine Leukemia Virus Structural Genes via the Metallothionein Promoter", <i>Molecular and Cellular Biology</i> , 7(5):1797-1806 (May 1987)
↓	D2	Carter, "Adeno-Associated Virus Vector", <i>Current Opinion in Biotechnology</i> , 3(5):533-539 (October 1992)
	D3	Flotte et al, "Expression of the Cystic Fibrosis Transmembrane Conductance Regulator from a Novel Adeno-Associated Virus Promoter", <i>J. Biol. Chem.</i> , 268(5):3781-3790 (February 1993)

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MP	D4	Friedmann, "Gene Therapy for Disorders of the CNS" <i>Gene Therapy</i> , 1(Supplement 1), Pages S47-S48 (August 1993)
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	D7	Laughlin et al, "Cloning of Infectious Adeno-Associated Virus Genomes in Bacterial Plasmids", <i>Gene</i> , 23:65-73 (1983)
	D8	McLaughlin et al., "Adeno-Associated Virus General Transduction Vectors: Analysis of Proviral Structures", <i>J. of Virology</i> , 62(6):1963-1973 (June 1988)
	D9	Mendelson et al, "Expression and Rescue of a Nonselected Marker from an Integrated AAV Vector", <i>Virology</i> , 166:154-165 (1988)
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	D11	Ohi et al, "Construction and Characterization of Recombinant Adeno-Associated Virus Genome Containing Human Beta-Globin cDNA", <i>Journal of Cell Biology</i> , 107(6), Part 3, Page 304A, Abstract No. 1713 (December 1988)
	D12	Ohi et al, "Construction and Replication of an Adeno-Associated Virus Expression Vector that Contains Human β -Globin cDNA", <i>Gene</i> , 89:279-282 (1990)
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	D14	Ohi et al, "Production and Expression of Recombinant Adeno-Associated Viruses Harboring Human Beta-Globin cDNA", <i>FASEB J.</i> , 4(7):A2288, Abstract No. 3438 (1990)
	D15	Ohi et al, "Synthesis of a Human Beta-Globin in the Recombinant Adeno-Associated Virus-Infected Cells: Towards Gene Therapy of Hemoglobinopathies", <i>Experimental Hematology</i> , 20(1):119, Abstract No. 56 (1992)

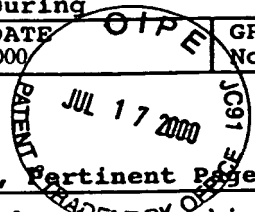
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Form PTO-1449 (REV. 8-83)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 40174	SERIAL NO. 09/559,327
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		FILING DATE 27 April 2000	



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MP	D16	Ruffing et al., "Assembly of Viruslike Particles by Recombinant Structural Proteins of Adeno-Associated Virus Type 2 in Insect Cells, <i>Journal of Virology</i> , 66(12):6922-6930 (December 1992)
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	D18	Samulski, "Adeno-Associated Viral Vectors", <i>Virus in Human Gene Therapy</i> , Chapter 3, Pages 53-76 (1995)
	D19	Samulski et al., "Cloning of Adeno-Associated Virus into pBR322: Rescue of Intact Virus from the Recombinant Plasmid in Human Cells" <i>Proc. Natl. Acad. Sci.</i> , 79:2077-2081 (March 1982)
	D20	Samulski et al, "Helper-Free Stocks of Recombinant Adeno-Associated Viruses: Normal Integration Does Not Require Viral Gene Expression", <i>Journal of Virology</i> , 63(9)3822-3828 (September 1989)
	D21	Samulski et al, "Rescue of Adeno-Associated Virus from Recombinant Plasmids: Gene Correction Within the Terminal Repeats of AAV", <i>Cell</i> , 33:135-143 (May 1983)
	D22	Samulski, "Targeted Integration of Adeno-Associated Virus (AAV) Into Human Chromosome 19", <i>EMBO J.</i> , 10(12):3941-3950 (1991)
	D23	Senapathy et al, "Replication of Adeno-Associated Virus DNA, Complementation of Naturally Occurring repMutants by a Wild-Type Genome or an oriMutant and Correction of Terminal Palindrome Deletions", <i>J. Mol. Biol.</i> , 178,179:1-20 (1984)
	D24	Shaughnessy et al, "Adeno-Associated Virus Vectors for MDR-1 Gene Therapy", <i>Proceedings of the American Association for Cancer Research</i> , 35:373, Abstract No. 2223 (March 1994)
✓	D25	Sitaric et al, "Production of a Helper-Free Recombinant Adeno-Associated Virus that Harbors Human Beta-Globin cDNA", <i>FASEB J.</i> , 5(6):A1550, Abstracts Part III, Abstract No. 6843 (March 1991)

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27 April 2000GROUP VI 33 (C)
Not yet assigned

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MP	D26	Srivastava et al, "Construction of a Recombinant Human Parvovirus B19: Adeno-Associated Virus 2 (AAV) DNA Inverted Terminal Repeats are Functional in an AAV-B19 Hybrid Virus", <i>Proc. Natl. Acad. Sci.</i> , 86:8078-8082 (October 1989)
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	D28	Tratschin et al, "A Human Parvovirus, Adeno-Associated Virus, as a Eucaryotic Vector: Transient Expression and Encapsulation of the Procaryotic Gene for Chloramphenicol Acetyltransferase", <i>Molecular and Cellular Biology</i> , 4(10):2072-2081 (October 1984)
	D29	Tratschin et al, "Genetic Analysis of Adeno-Associated Virus: Properties of Deletion Mutants Constructed In Vitro and Evidence for an Adeno-Associated Virus Replication Function", <i>J. of Virology</i> , 51(3):611-619 (September 1984)
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	D31	Walsh et al, "Gene Transfer and High Level Expression of a Human Gamma Globin Gene Mediated by a Novel Adeno-Associated Virus (AAV) Vector, <i>Clinical Research</i> , Volume 39, No. 2, Abstract No. 325A (1991)
	D32	Wong et al, "High Efficiency Gene Transfer Into Growth Arrested Cells Utilizing an Adeno-Associated Virus (AAV)-Based Vector", <i>Blood</i> , 82(10) Supplement 1, Page 302a, Abstract No. 1195 (November 1993)
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APPLICANT

Matthew J. During

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U.S. PATENT DOCUMENTS

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MP	5 4 7 8 7 4 5	12/26/95	Samulski et al.	435	320.1	

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO

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MP	Noel RA, Rossello JP, Henning SJ, "Enhancement of gene transfer into intestinal epithelial cell lines (IEC-6 and RIE-1) by an ecotropic retroviral vector. Gastroenterology 104:A269
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	Orkin SH, Motulsky AG, "Report and recommendations of the panel to assess the NIH investment in research on gene therapy
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